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U.S. PTO

Atty. Docket No.	7691.0005	Serial No.	Not Yet Assigned				
Applicant	Brendan LARDER et al.						
Filing Date	August 18, 2000	Group	Not Yet Assigned				
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub Class	Translation Yes or No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
16		Larder et al., "Quantitative Detection of HIV-1 Drug Resistance Mutations by Automated DNA Sequencing," <i>Nature</i> , Vol. 365, pp. 671-673 (1993).					
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		Günthard et al., "Comparative Performance of High-Density Oligonucleotide Sequencing and Dideoxynucleotide Sequencing of HIV Type 1 <i>pol</i> from Clinical Samples," <i>Aids Research and Human Retroviruses</i> , Vol. 14, No. 10, pp. 869-876 (1998).					
		Puchhammer-Stöck et al., "Comparison of Line Probe Assay (LIPA) and Sequence Analysis for Detection of HIV-1 Drug Resistance," <i>Journal of Medical Virology</i> , 57, pp. 283-289 (1999).					
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uw	Hertogs et al., "A Rapid Method for Simultaneous Detection of Phenotypic Resistance to Inhibitors of Protease and Reverse Transcriptase in Recombinant Human Immunodeficiency Virus Type 1 Isolates from Patients Treated with Antiretroviral Drugs," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 269-276 (1998).
	Devereux et al., "Rapid Decline in Detectability of HIV-1 Drug Resistance Mutations After Stopping Therapy," <i>Aids</i> , Vol. 13, No. 18, pp F123-F127 (1999).
	Asseline et al., "Nucleic Acid Binding Molecules with High Affinity and Base Sequence Specificity: Intercalating Agents Covalently Linked to Oligodeoxynucleotides," <i>Proc. Natl. Acad. Sci. USA</i> , 81, 3297-301 (1984).
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	Lomeli et al., "Quantitative Assays Based on the Use of Replicable Hybridization Probes," <i>Clin. Chem.</i> , 35, 1826-1831 (1989).
	Matsukura et al., "Phosphorothioate Analogs of Oligodeoxynucleotides: Inhibitors of Replication and Cytopathic Effects of Human Immunodeficiency Virus," <i>Proc. Natl. Acad. Sci. USA</i> , 84, 7706-10 (1987).
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<i>W</i>	Walker et al., "Isothermal <i>in Vitro</i> Amplification of Dna by a Restriction Enzyme/dna Polymerase System," <i>Proc. Natl. Acad. Sci USA</i> , 89, 392-396 (1992).	
<i>W</i>	Wu et al., "The Ligation Amplification Reaction (LAR)- Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," <i>Genomics</i> , 4, 560-569 (1989).	
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Filing Date August 18, 2000		Group: 1645				
<b>U.S. PATENT DOCUMENTS</b>						
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<b>FOREIGN PATENT DOCUMENTS</b>						
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uw	WO 97/27480	07/31/97	PCT	—	—	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
uw	Asseline et al., "Nucleic Acid-Binding Molecules with High Affinity and Base Sequence Specificity: Intercalating Agents Covalently Linked to Oligodeoxynucleotides," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 81, pp. 3297-3301 (1984).					
✓	Barany, F., "Genetic Disease Detection and DNA Amplification Using Cloned Thermostable Ligase," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 88, pp. 189-193 (1991).					
✓	Boom et al., "Rapid and Simple Method for Purification of Nucleic Acids," <i>Journal of Clinical Microbiology</i> , pp. 495-503 (1990).					
✓	Compton, J., "Nucleic Acid Sequence-Based Amplification," <i>Nature</i> , Vol. 350, pp. 91-92 (1991).					
✓	Duck et al., "Probe Amplifier System Based on Chimeric Cycling Oligonucleotides," <i>BioTechniques</i> , 9, 142-147 (1990).					
✓	Guatelli et al., "Isothermal, <i>In Vitro</i> Amplification of Nucleic Acids by a Multienzyme Reaction Modeled After Retroviral Replication," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 87, pp. 1874-1878 (1990).					
✓	Kwoh et al., "Transcription-Based Amplification System and Detection of Amplified Human Immunodeficiency Virus Type 1 with a Bead-Based Sandwich Hybridization Format," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 86, pp. 1173-1177 (1989).					
✓	Landegren et al., "A Ligase-Mediated Gene Detection Technique," <i>Science</i> , Vol. 241, pp. 1077-1080 (1988).					

*Paul W. ...*

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<u>6U</u>	Lizardi et al., "Exponential Amplification of Recombinant-RNA Hybridization Probes," <i>Bio/Technology</i> , Vol. 6, pp. 1197-1202 (1988).
	<input checked="" type="checkbox"/> Lomell et al., "Quantitative Assays Based on the Use of Replicable Hybridization Probes," <i>Clin. Chem.</i> , 35(9), pp. 1826-1831 (1989).
	<input checked="" type="checkbox"/> Matsukura et al., "Phosphorothioate Analogs of Oligodeoxynucleotides: Inhibitors of Replication and Cytopathic Effects of Human Immunodeficiency Virus," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 84, pp. 7706-7710 (1987).
	<input checked="" type="checkbox"/> Miller et al., "Nonionic Nucleic Acid Analogues. Synthesis and Characterization of Dideoxyribonucleoside Methylphosphonates," <i>Biochemistry</i> , Vol. 18(23), pp. 5134-5143 (1979).
	<input checked="" type="checkbox"/> Nielsen et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide," <i>Science</i> , Vol. 254, pp. 1497-1500 (1991).
	<input checked="" type="checkbox"/> Nielsen et al., "Sequence Specific Inhibition of DNA Restriction Enzyme Cleavage by PNA," <i>Nucleic Acids Research</i> , Vol. 21(2), pp. 197-299 (1993).
	<input checked="" type="checkbox"/> Saiki et al., "Genetic Analysis of Amplified DNA with Immobilized Sequence-Specific Oligonucleotide Probes," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 86, pp. 6230-6234 (1989).
	<input checked="" type="checkbox"/> Walker et al., "Isothermal <i>In Vitro</i> Amplification of DNA by a Restriction Enzyme/DNA Polymerase System," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 89, pp. 392-396 (1992).
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Wu et al., "The Ligation Amplification Reaction (LAR)---Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," <i>Genomics</i> , 4, pp. 560-569 (1989).
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